Mar. BULLETIN 1970
VOL. 1. SAN ANTONIO RADIO CLUB NO.3

President--Ivan Mangold, WA5RNV
Vice President--Floyd Roland, W5JKU
Secretary--M. D. Harris, K5PKX
Treasurer--Frank Box, WA5VFM
Sgt.@ Arms--
Les Eggleston, WA5GOQ

Meets first and third Fridays at 7:30 p.m. at the Civil Defense Headquarters, 115 Auditorium Circle. All who have an INTEREST in amateur radio are cordially invited to attend.

Bulletin, Editor, Dean Davis, W5BGE. Published Bi-monthly (hopefully!)

_·_·_ _·_·_ _·_·_ _·_·_ _·_·_ _·_·_ _·_·_ _·_·_ _·_·_

THE PRESIDENT SPEAKS

by

WA5RNV

Response to the last issue of the club bulletin regarding additional membership is gratifying, five renewals and three brand new members. We welcome back into the fold: WA5OVF, Dallas Ebest, 311 Haverhill, 78228, 734-5453; WA5QWR, Harry C. Kirby, 114 Downing, 78209, 824-8740; W5JK, Dr. Claude Phillips, 444 Hammond, 78216, 532-9330: WA5RSE, Carl Rischer, 5727 Ben Casey, 78240, 684-2992; W5EPB, Dr. R.P. Thomas, Nix Prof. Bldg., 226-8031.

We especially wish to welcome into the club, our new members, and please ask me for a card to fill out, giving all your particulars, so we can write you up, and let the old members know who you are. We have been sitting on our operating desk chairs (???) so long, the standing and walking position is unnatural to most of us. Our hands also twitch when we shake hands.

WA5ZIF, Howard Decker, lives at 2142 W. Kings Highway, 78201, 732-3069. Don't have any particulars on Howard, but we do know that he operates a FTdx400 on all frequencies. I hear him quite often on 15m. A card, please?

WA5YHZ, William R (Bill) Nelson, his XYL is Dottie, they live at 7135 Oaklawn Dr., Apt. 79, 344-4317. Bill was born March 20, in Lake Preston, South Dakota. They have a redheaded 17 months old son, who hasn't missed a meal. Bill has too many degrees to list, and is currently a senior medical student at UT Medical School. Will graduate in June and return to Sioux Falls for internship. By the way, Bill just joined the Advanced ranks. He runs a Galaxy 5Mk.II, all bands and is looking for a DC power supply so he can go mobile. Real pleased to know you, "Doc".

WA5UYE, Otto L. Schneider, his XYL is Laura, they live at Route 15, Box 196-E, San Antonio, but everyone knows they live in the suburb called Helotes. Otto was born May 22 in Guadalupe County, and attended school in Comal and Bexar County. Otto belongs to the "Honey do" club, having retired from Kelly AFB as Ass't Fire Chief. He operates CW and SSB on 40-20-10, and I believe he uses a Swan. Now, I've known this character for some time and advise that you keep your eyes open and your pockets shut when he is around.

WA5QHG, Bill Way. (Now, this fellow is real close-mouthed), lives at 215 E. Cheryl, 78228, 433-5154. No other particulars available at this time. C'mon, Bill, fill out a card so we can tell the members about your rackets.

The 3930 Group will hold its second annual meeting April 18-19 at the Koehler Pavilion, Brackenridge Park, with catered Bar-B-Q lunch at noon Sunday. Meals, $2.00 per person, plus $1.00 per family to cover cost of coffee, cold drinks, donuts or rolls. This is strictly a social gathering and a good reason to "eyeball" old friends and new friends from all over Texas. Thirty-five families attended last year, and we are looking for many more this year. If you plan to attend and have lunch with us on Sunday, make your reservations by Wednesday nite, April 15 by calling Ivan, WA5RNV, 826-6515, Joe, W5DFS, 344-3275, or Sledge, K5ACD, 333-0203.

Our sincere thanks to Martin Esser who has gone <u>all out</u> to make our meetings at CD Headquarters enjoyable. With projector and screen ready to go, the PA system warmed up, hot coffee ready and cold drinks available, we couldn't beat this with a wet noodle. Thanks, Martin.

Let's start planning for Field Day, June 27-28. That's all. Ivan WA5RNV.

YOUR DOG OBEDIENCE TRAINING

by W5KQG

It may seem impossible or improbable that you can have a well trained dog that will be a good "citizen", but it certainly is true. There's really no magic formula, just hard honest work. Dog obedience training is lots of fun and it is so rewarding to have a well mannered dog. In fact it could save a dog's life sometime to act on command. Most city dogs now have become part of the family, which is as it should be. Therefore it behooves everyone to teach the dog some obedience whether he is a small or large dog.

San Antonio Dog Training Club, to which Johnny and I belong, has a very complete training course. Our club has instructions in basic, novice, open and utility training, having classes the year round every Monday night. We have three basic classes a year. This is where the rank beginner starts. In the basic we train the owner-handler to train his own dog. This is all the commands such as: heel, sit, down, come, stand and stay, showing the proper method for obtaining the correct results. Any one who has a dog should at least take basic training.

The next step is novice. The basic and novice are comparable to grade school. In the novice we introduce a few more exercises to get and keep the dog's attention, besides polishing up the basic exercises. After this class many can do go in show competition. By now your dog should be heeling off leash and able to go most any place with you.

For high school we teach the open exercises. This is all done off leash. In this class the dog retrieves a dumbell and goes over the broad and high jumps. After completion of the open, we enter college, which includes directed jumping, hand signals only, and scent discrimination. This is the utility training.

Our club also participates in activities which are lots of fun. We sponsor National Dog Week in San Antonio, and have the only Obedience Clinic in the southwest, obtaining well known people like Bill Koehler, trainer of Walt Disney animals and many others. We also have a Relay Race Team who holds the Texas championship at this time.

Make no mistake, all dogs can be trained. Sometimes it seems impossible, but then all goes well and it is simply amazing what the dog, (and handler) have accomplished. It is like training your child. If he gets away with something today, he will try the same thing again. For either one, you must be firm and consistent. The dogs act almost human in their defiance, but consistency pays off. They behave or "act up" according to the degree that is allowed.

Belonging to the San Antonio Dog Training Club has certainly done a lot for me. I have always been more or less afraid of dogs, even afraid of my own, but now that I have been an instructor for SADTC I know much more about them and help with all sizes and breeds. I would welcome any requests for information about the obedience training classes. Call 344-5134. 73. Frances, W5KQG.

.- .-.

PUT SOME COLOR IN YOUR LIFE

by K5PKX

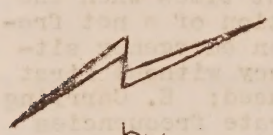
Tired of watching the "boob tube"? But you don't enjoy the stereo unless you're reading, and you have already finished QST, Ham Radio, CQ and 73, to say nothing of Pop'tronics and the National Geographic! Know just what you mean! Had the same problem--enjoyed the stereo FM and the records and the tapes, but you can't just sit there twiddling your thumbs. I solved this problem with what I call my "color stereo".

In recent years "color organs" or "light shows" have become a part of the younger sets' music scene. No respectible rock group would play without lights to enhance their music (or else cover up their lack of talent). These consist of colored lights that pulse to the beat of the music. They vary from simple devices that follow the beat, sometimes with a strobe unit to give it an eerie effect, to units that filter the music and turn on a different color light for the various frequencies of the music. A number of units are on the market in both wired and

kit form. EICO and Radio Shack both have relatively inexpensive units on the market but they both leave something to be desired. Locally, Southwest Technical Products offers two units that are very good. One is the Musett-Color Organ. An etched and drilled fiberglass circuit board and diagram is available for about $3.50. I have built three of these units. They are five channel units and I use 5 different color spotlights for a pleasing effect. The low notes of the music trigger the red lamp, on up through orange, yellow, green and blue for the very high notes. Intensity of the lights is controlled by the volume of the music in that frequency range. The only drawback to this unit is the high harmonic content of much of today's music. This causes a "spill-over' into the adjacent channels. This fault, if you can call it that, has been corrected in Southwest Technical Products newest model, PSYCHEDELIA I.

This new model is a 3 channel unit using Triacs instead of SCRs as were used in the "Musette". The Psychedelia I uses 4 transistors in each channel to cover about one octave per channel. The circuit provides "holes" or guard bands between channels that eliminate the multiple channel tracking or washout experienced with the L/C circuits in the Musette. A unit consisting of 2 circuit boards and parts will cost about $44.00 and are available either by mail from Southwest Technical Products Corp. or visit them at 219 W. Rhapsody. You can see one in action plus all their other fine audio units.

The challenge is how to display the lamps. Here your imagination can can run wild. Put the lights inside a box with an imaging panel made from a fluorescent light diffuser gives a flower petal pattern. Spot-lights either behind or shining on draperies are pretty. There are many ways to use the Color Organ. Probably the wildest I have heard of is the installation of a dropped ceiling of fluorescent panels with many Christmas tree bulbs above the ceiling. When turned on, it gives the impression of colored stars twinkling above you. You will be very pleasantly surprised at how interesting music will become when you can see it. So turn off that color TV (watch out for radiation) and turn on the color stereo. It will "turn you on". M. D., K5PKX.



DX NOTES

by

W5GR

Awards have always been an attractive part of amateur radio operating. They make most impressive wallpaper, certainly, and they can be very challenging accomplishments as well. The ARRL recently put new life into two of the most famous awards of all: the DX Century Club (DXCC), and Worked All States (WAS). Both of these awards are now available as 5-band awards! Making WAS on one band is a challenge; but to complete it on each of 5 bands is a super achievement; and the same can be said of working 100 countries on each of 5 bands.

For the new 5-Band WAS, all contact must date after Jan. 1, 1970. For 5-Band DXCC, all contacts must date after Jan. 1, 1969. So it's a brand new start even for old greybeards, and novices and new generals can start off today on an almost equal footing. "But how can I complete such a task?" you may well ask. Perhaps a few hints are in order.

First, QSL all contacts made immediately, before the QSL chore grows into an unmanageable monster. (Also you'll get better returns on prompt QSL's.) Second, keep records--a spiral notebook will do just fine--so that you know which states or countries you need on which band at a moment's notice.

Third, take advantage of WAS nets, county hunter nets and the like. Most stations you contact here will QSL. The awards section of CQ and operating notes in QST frequently list such nets.

Fourth, take advantage of all operating contests, they are gold mines of new states and new countries. The ARRL DX, Sweepstakes, Field Day and Novice Roundup contests are musts. The CQ DX and SSB DX contests are also prolific sources of new countries. It's possible to work all states on several bands in a signle Field Day or Sweepstakes contest weekend, and many DX'ers have worked more than 100 countries on a band in the ARRL or CQ DX contests. One bonus feature of these awards is the fact that you can qualify for regular WAS or DXCC (not 5-Band)along the way. In fact, you may apply for WAS band by band as you work toward the 5-Band goal, or DXCC (CW or Phone) mixed band or mode as soon as you have 100 countries confirmed. So, what's to lose? Plunge in and good luck!. Len, W5GR.

LEE'S OPERATING NEWS

by K5HZR

Since November, 1969, there has been a noticeable congestion on some of the HF bands due to the change in rules on frequency allocations. The rules on interference have not changed, however. Here are some excerpts from an FCC letter regarding interference. "Amateur operators are expected to anticipate and minimize interference. Failure to do so indicates either ignorance of the practical realities or a selfish lack of consideration for others. The following guidelines and considerations are presented."

"Licensees already in operation should remember that no amateur licencee, group, or network, has a right to the priority or exclusive use of a given frequency, nor may freedom from interference be expected. Exception is provided under the emergency provisions of Rule 97.107. Common courtesy as well as good practice dictates that incessant or continuous non-emergency operation, so as to preclude others from operating is highly undesirable and unwarranted, and if wilful or malicious, could result in the imposition of punitive measures."

"Section 97.125 provides: "No licensed radio operator shall wilfully or maliciously interfere with or cause interference to any radio communication or signal."

Observance of good amateur practice requires the avoidance of attempting operation on a frequency where it is obvious or likely that such operation will result in harmful interference. All licensees should avoid the following frequently observed improper practices, some of which constitute wilful interference for which severe penalty is provided: A. Knowing and repeated operation on, or unreasonably close to a net frequency at times when the net is obviously active; B. Requesting or demanding protection of a net frequency at times when the net is inactive; C. Requesting or demanding protection of a net frequency over a long period of time in the absence of an emergency situation; D. Calling, testing, or tuning on a freqrency without first determining that the frequency is not already being used; E. Carrying on an exchange of communications on two or more separate frequencies when there is no technical or operational necessity."

If you're beginning to feel the pinch of these recent band change rules how about a change to advanced or extra class to aleviate some of these problems. 73. Lee, K5HZR.

-.- .-.

SOME MOBILE OPERATING HINTS

by W5EJT

When operating your amateur radio station, there are rules and regulations that must be observed. We get to know them pretty well as we use our equipment at fixed location and mobile back and forth to work. One day you decide to take a vacation and think it would be nice to use the mobile rig while on the trip. If you plan to operate away from home for more than 48 hours without a return to the address shown on your license whether portable or mobile, you need to be covered by a notice to FCC. Now, what does FCC want to know about your planned operation? By digging through the regulations, it will be found in Section 97.97--Notice of Operation. There is still an easier way. Just write the American Radio Relay League, Inc, 225 Main Street, Newington, Conn. Ø6111. Ask for a summary of the regulations for operation away from home. Portable and mobile regulations S-43 68Ø2. Also include the number of districts you plan to travel through. This will give them an idea of how many forms to send you as you will need one for each district travelled in. A self addressed stamped envelope would also be appreciated. After the mobile itinerary has been made up and sent to the FCC you may find you have a well planned trip and something to keep you on schedule. The trip may take you to Mexico. If operation is planned there permission to operate will have to be obtained from Mexico. For current information write the Liga Mexicana de Radio Experimentadores, A.C., Apartado 9Ø7 Mexico 6, D. F. Mexico. Allow quite a bit of time before the planned trip as obtaining the license may require a few months. The trip may be up to Canada. The set-up here is easier and only requires a few weeks to get permission.....

Write Department of Transport, Ottawa, Canada (or its regional offices) to get permission to operate under your U. S. call in Canada.

The trip gets under way and many miles can pass while operating. You can continue regular schedules with friends and know what is happening back home. You may find someone needs a rare county you are passing through or a short cut is needed to get through some large city. There are also other mobiles out all over the country and you can exchange information on how the trip is going, occasionally you will meet other hams in camp or the park that have the same ideas as you do. All seem to want to see more of the wonderful country that we live in. While seeing it--take your hobby with you. Best 73 Gene, W5EJT.

-.- -.-

Texas VHF-FM -- Houston, Feb. 22

by W5VPQ

The meeting was a two-day affair, held at the Helena Motel with a hospitality room available on Saturday for informal discussions. Refreshments were provided by the society. On Sunday morning films of Apollo 11 and 12 were presented by ex-San Antonian Bob Pace, WA5CJG, now with NASA.

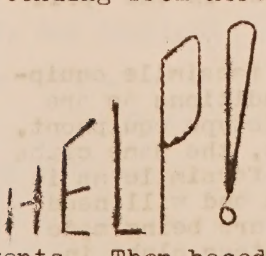
The afternoon session started with a report on the ARRL repeater advisory committee recommendations by W5VPQ, who reported that the committee had submitted its recommendation to the ARRL board of directors which consisted of changes in three areas related to station log-keeping for repeaters, suspension of control and monitoring requirements for repeaters, and modification of ID rules to make automatic identification fully legal. The text of the advisory committee report will appear in April QST. In essence we have recommended considerable relaxation of the present rules in the three areas which produce the most difficulty in operation of an amateur repeater station.

The recommendations of the advisory committee have been submitted to the ARRL board of directors for their action. They were not submitted directly to FCC as some people have assumed. Therefore, an indication of your support or objection should be submitted to our director for his use at the forthcoming board meeting. The league will then take action as decided at the May directors' meeting. They may adopt the committee report, or reject it, or parts of it, according to decisions of the board. The next step is for the board to direct league counsel to prepare a docket for rule changes and submit it to FCC.

Following this, Roy, W5EYB, our ARRL Director, indicated his support of the repeater advisory committee recommendations. He also commented on the last board meeting and some of the side-lights regarding the amateur satellite activities, and the leagues' attitude toward FM and repeaters, and concluded by indicating that the West Gulf convention was going to be held in Orange, Texas on July 17-19, headquartering at the new Jack Tar Motel.

Following Roy's remarks a representative from each area in Texas that has a repeater was asked to report on the area's activities. The areas were Austin, Port Arthur, Houston, Dallas, Ft. Worth, San Antonio, Corpus Christi, and Tyler.

Prize drawings were held at the conclusion and a goodly number of prizes were distributed among the 115 attending. The San Antonio group was well represented with loot brought home. The meeting was concluded with the selection of Pasadena as the summer meeting site sometime in August. W5BGE, W5VPQ, W5TSE, W5QMU, W5EJT, K5OPT, K5PKX, K5YE[illegible], were among those attending from here. 73's. George, W5VPQ



.- .-. WILL YA?

As indicated last issue, the San Antonio Radio Club has for several years provided race communications for the local sports car club of Americ races. In addition to the weekend of the race, a certain amount of time must be spent in coordinating with the sports car club to determine the date (next one May 23) and location of upcoming events. Then based on number of turns in the track it is necessary to determine whether enough operators and equipment and spares are available to properly accomplish the job. This is largely a matter of many phone calls and talley of telephones, wire, radios, generators and warm bodies with amateur licenses. Because of my committments to other amateur

activities it has become impossible for me to conduct the necessary ground work each time in order to make these operations a success. Therefore, I expect to be able to participate on the weekends of the races, but sincerely ask that someone else pick up the job of coordination and liason so that we may continue to enjoy these weekend outings watching the races. 73's. George Munsch, W5VPQ.

RADIO ON RAILROADS

by

WA5VFM

Radio is used extensively by all the modern railroads on frequencies around 160-plus, each railroad is given a different frequency similar to way police frequencies are assigned to avoid mix-ups where railroads cross or run near each other.

Radio is used by train dispatchers to communicate with moving trains, stations along the line and track maintainence crews. This is done with a series of repeaters that he can activate as needed. The same arrangement can be used on another frequency by way stations to communicate with trains nearing their station to give them instructions regarding work to be done, switching, etc.

Conductors use radio to communicate with engineer on head end of train, also with stations and others who carry radios in their cars and trucks. A recent additional use of radio is being used in train movements. They are able to put a locomotive in the middle of the train to give better breaking action and to relieve some of the stress on the car coupling device. This additional locomotive can be controlled by the engineer on the head of the train. They have traveling tract inspectors who carry radio equipment and give all concerned a running report on the condition of the track.

Since some of the smaller depots have been closed, they employ a travelling agent who has a complete office on wheels which can operate on highway with complete radio equipment for communicating with customers and his headquarters. Switching crews use walkie-talkie radios to expedite the handling of their switching, which gives them direct communication with each other as well as Yardmaster. As more modern devices are invented, the field of radio in railroading will increase, especially in the Northern part of the country where winter ice on the land lines often tie up operating of trains. Since the advent of radio and microwave much of this has been eliminated. 73. Frank, WA5VFM.

ARRL BULLETINS

OFFICIAL BULLETIN NR 262 FROM ARRL HEADQUARTERS NEWINGTON CONN FEB 26 1970 TO ALL RADIO AMATEURS BT The Federal Communications Commission has issued a notice of proposed rulemaking, Docket 18,802, to raise application and license fees so that its entire budget will be covered by revenues from licensees. League Lines in November 1969 QST gave advance warning of the possibility. Under the proposals, amateur application fees would go to nine dollars for new, renewed or upgraded licenses, four dollars for modified licenses and 25 dollars for special call signs. Citizens radio service application fees would rise to 19 dollars along with taxicabs, etc, but commercial radio operator fees would stay where they are now. A new television station license could, however, cost as much as 50,000 dollars. Comment deadline is April 20 and reply deadline May 11, 1970. ARRL members wishing to express a view on the docket should be in touch immediately with their respective directors as listed on page 8 of QST. Further information will appear in the April issue AR

NR259 FEB 5, 1970 BT Western Union is offering surplus facsimile equipment for distribution among amateurs under the same conditions as are now set up through ARRL for distribution of surplus teletype equipment. Pending determination of the degree of amateur interest, the same clubs now distributing teletype gear will be asked to handle facsimile as it is released by Western Union. Most units are desk type and will need modification prior to use by amateurs but arrangements are being made for publication of details. Currently needed are volunteer clubs in the Seattle and Spokane Washington areas since none is currently authorized. Further inquiries are invited to Frank C. White W3PYV, who is coordinating the program for ARRL at 2706 Harmon Road, Silver Springs, Maryland 20902 AR

'RECTOR ROY REMINESES-S-S-S

by W5EYB

In another section of this bulletin we find news of the Quarter Century Wireless Association's local chapter annual party. This notice caused us to engage in a moment of reminiscences about the early days of amateur radio, about its big moments, and of some of the people who made such a great contribution that their names are still household words among us.

Remember Don Mix, 1TS, and his famous trip to the arctic with the McMillan expedition aboard the schooner Bowdoin in 1923? Remember how all contact with the expedition was lost for three weeks, because of aurora, until finally on August 27, at 11:35 p.m.EST the signal came to the ears of R. B. Bourne, 1ANA? The expedition at that time was within 50 miles of its goal, at latitude 78-30. As QST stated it, Don, from his arctic perch nearly hit his home town. The feat was all the more remarkable because it was accomplished during summertime static, on 200 meters. The sequel? Don Mix,W1TS, just recently retired from the staff of QST, and, in case you haven't noticed, R. B. Bourne, W1ANA is a curator of the ARRL museum.

Closer to home--remember Louis Falconi, 5ZA, Roswell, New Mexico?Louis was the final link in the first really successful transcontinental relays, proving Hiram Percy Maxim's dream was now a reality.

Now the telescope focuses a bit closer--QST for October, 1923 tells us Frank Corlett was Manager of the West Gulf Division (by the way, there was also an East Gulf Division).

During the month of July, 1923, 25,478 messages were handled within the Division on CW, and 1,002 by spark! Try that one on for size, you fone and TTY young squirts! QST reported that Harry Sherrod, 5VY(now W5ZG), was Division Superintendent. Assistant Division Manager was E. A. Sahn, New Braunfels. It also stated 5KG, 5ZAE, and 5VO were holding down San Antonio and managed to move 115 messages through thunder storms. Wonder if they could still do that with their Collins equipment, Hi!

. . . . . .and the peanut tube tells us a young squirt by the name of Irving Seligman moved to San Antonio from Seguin. Also, a youngster with the call 5JC moved in from West Texas, Hi! By the way, did you know ol' Pappy is now a brand new professor of political science?

. . . . . .the moving finger writes, and having writ, moves on.....

24 February 1970. The FCC has just announced they propose to increase the fees for license applications as follows:

AMATEUR	NOW	PROPOSED
Initial, renewal and upgraded licenses	$ 4	$ 9
Modification without renewal	2	4
Modification and renewal	4	9
Special call sign under Section 97.51	20	25
Novices, RACES, Military Recreation	no fee	no fee
CB, Taxis, etc.	8	19

The Commission has called for comments on this proposal, but it has a short fuse. If you object or wish to comment otherwise, write direct to the Federal Communications Commission.

73, Roy Albright, W5EYB, West Gulf ARRL Director

·– ·–· ·– ·–· ·– ·–· ·– ·–· ·– ·–· ·– ·–· ·– ·–· ·– ·–· ·– ·–·

QUARTER CENTURY WIRELESS ASSOCIATION ANNUAL DINNER

Hey QCWAers--It's time for our annual get-together with the Gals!--XYL and/or YL. We had such a nice time last year, we are holding this dinner at the same place--STRANGE'S PARTY HOUSE. Let's all turn out for this once-a-year deal! Bring friends as your guests, the more the merrier!! We plan to have a short program and get some good pictures throughout the evening.

PLACE: Strange's Party House on Bandera Road
DATE: Saturday, March 14,- 6 - 7 Social Hour 7 - 8 DINNER Hour
PRICE: $3.50 each, includes set-ups. BYOB

To make reservations, contact John Shean, W5LPO 696-1879.

SPLATTER

by W5BGE

Ruth, K5OPT is proud possessor of a certificate proving YLCC 800, which means she has confirmation of over 800 YL contacts.....Larry (Doc) W5QMU at the Saturday morning coffee meeting commented to Dick, W5PSQ that he had taken his family to a movie the night before. Dick asked how he liked it. Larry replied, saying that he had given it a MD rating. "What do you mean by a MD rating?" "It's a sic , sick film!".....Katherine, K5TSZ is now a re-TIRED school teacher, ... has joined the ranks of "bird watchers". She was very excited recently--claimed she saw a "Lark Bunting"!.....As reported in the previous issue of The Bulletin, Terry, W5ETG sojourned to the notoriously wild state of California. On his return, in a routine interview, the Editor's questions concerning his trip were rebuffed with a "No Comment". Upon investigation from numerous other sources, the Editor found he couldn't have printed this info anyway, because this publication has meritoriously earned a "G" rating!.....Jerry, K5YCE is now attending San Antonio College, taking 16 hours, this over and above the code and theory class, housework, cooking, etc.....Mrs. Andrews, math teacher at Edison Hi, seen at March 3rd code and theory class trying to convince Ivan, WA5RNV to demonstrate Ham Radio at Edison Hi..... Earl, K5YNS, operating W5SC recently, was loudly exclaiming, "Gotta get into Hawaii or bust!" (Hear he has a YL there.).....JUNK: something you keep for 10 years and then throw away 3 days before you need it'.....Johnny, W5LVE is having a rough time recovering from a bout with the flu.....If you have something for sale, trade, or need something, space permitting, we will run them in the next issue. (Please mail to W5BGE, 1518 Santa Anna, 78201 before April 25 for May issue... ...At the March 6 meeting of the S.A. Radio Club, by unanimous vote, the club requested their secretary to write a letter to FCC advising them that the SARC is not in accord with the proposed increases of the amateur license fees.....The code and theory class now has 68 registered. At least six have already taken their Novice examinations. Rocky, W5MIF, Lee, K5HZR, M. D., K5PKX, Floyd, W5JKU, and many others are working very hard to make this school a success.....The Eye Bank Net has handled its 4,000th eye for corneal transplant operation. Columbia, S.C. eyebank sent one eye to the Washington, D.C. eyebank 14 Feb 1970 making 4,000 eyes since the network was formed December 20, 1962. There are 66 eyebanks throughout the U.S. The eyebank net consists of 110 active amateur radio operators throughout the U.S., Alaska and Hawaii included, who meet twice daily to exchange information on the availability or the need for eye tissue for corneal transplant operation. Local members are Lee Ulrey, K5HZR, and Doc Joerg, WA5JVX.

73's. W5BGE, Dean.

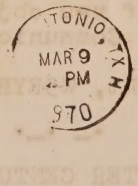
MAKE PLANS NOW!

to attend the

West Gulf ARRL Convention

July 17,18,19 - Orange, Texas

San Antonio Radio Club
Box 62
San Antonio, Texas 78206



George Munsch W5VPQ
11314 Janet Lee
City 78230